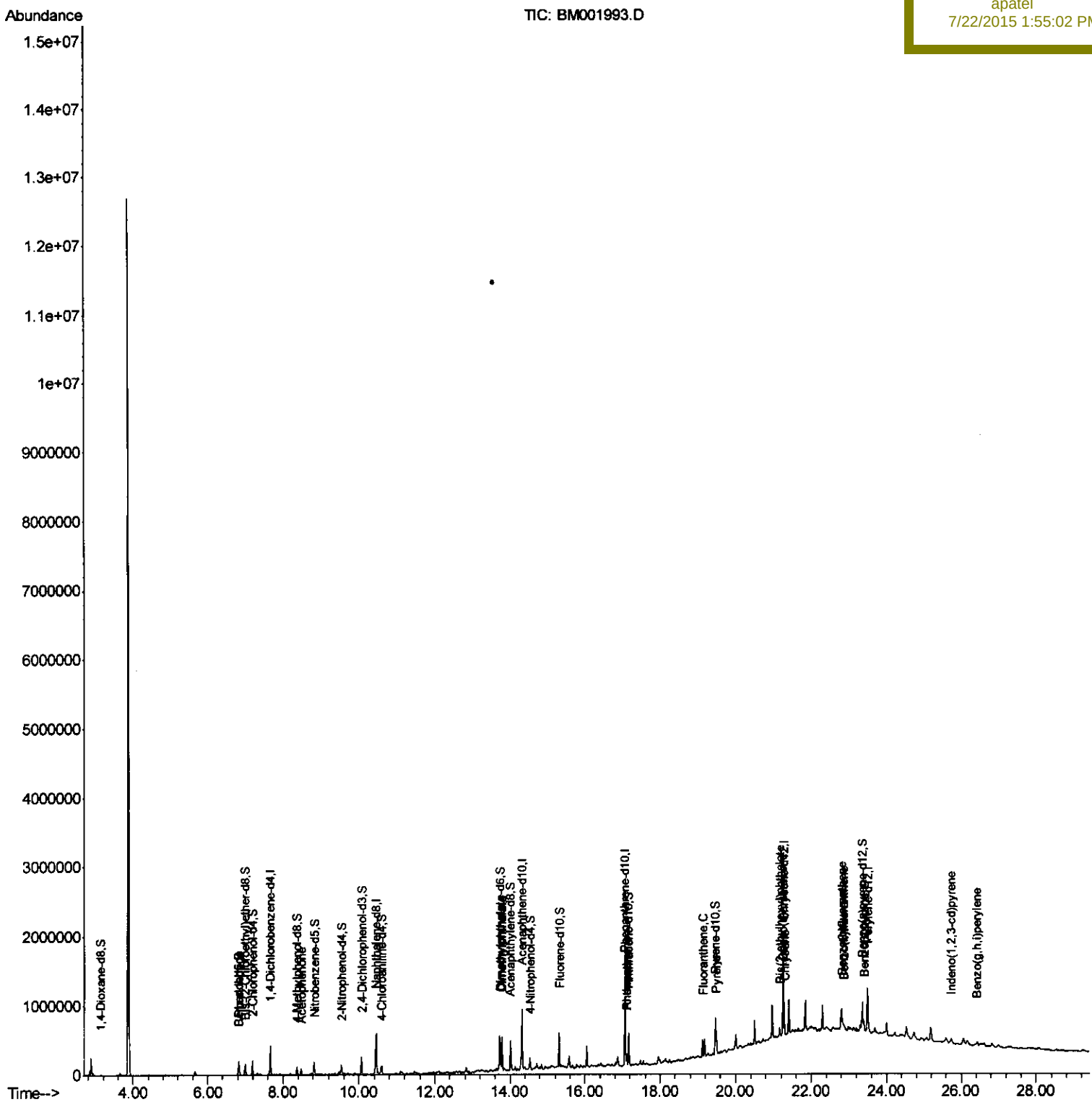
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001993.D
Acq On : 21 Jul 2015 02:53
Operator : TP/UM
Sample : G3000-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 21 03:31:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02K3

Manual Integrations APPROVED
apatel
7/22/2015 1:55:02 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001993.D
Acq On : 21 Jul 2015 02:53
Operator : TP/UM
Sample : G3000-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 21 03:28:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02K3

Manual Integrations APPROVED
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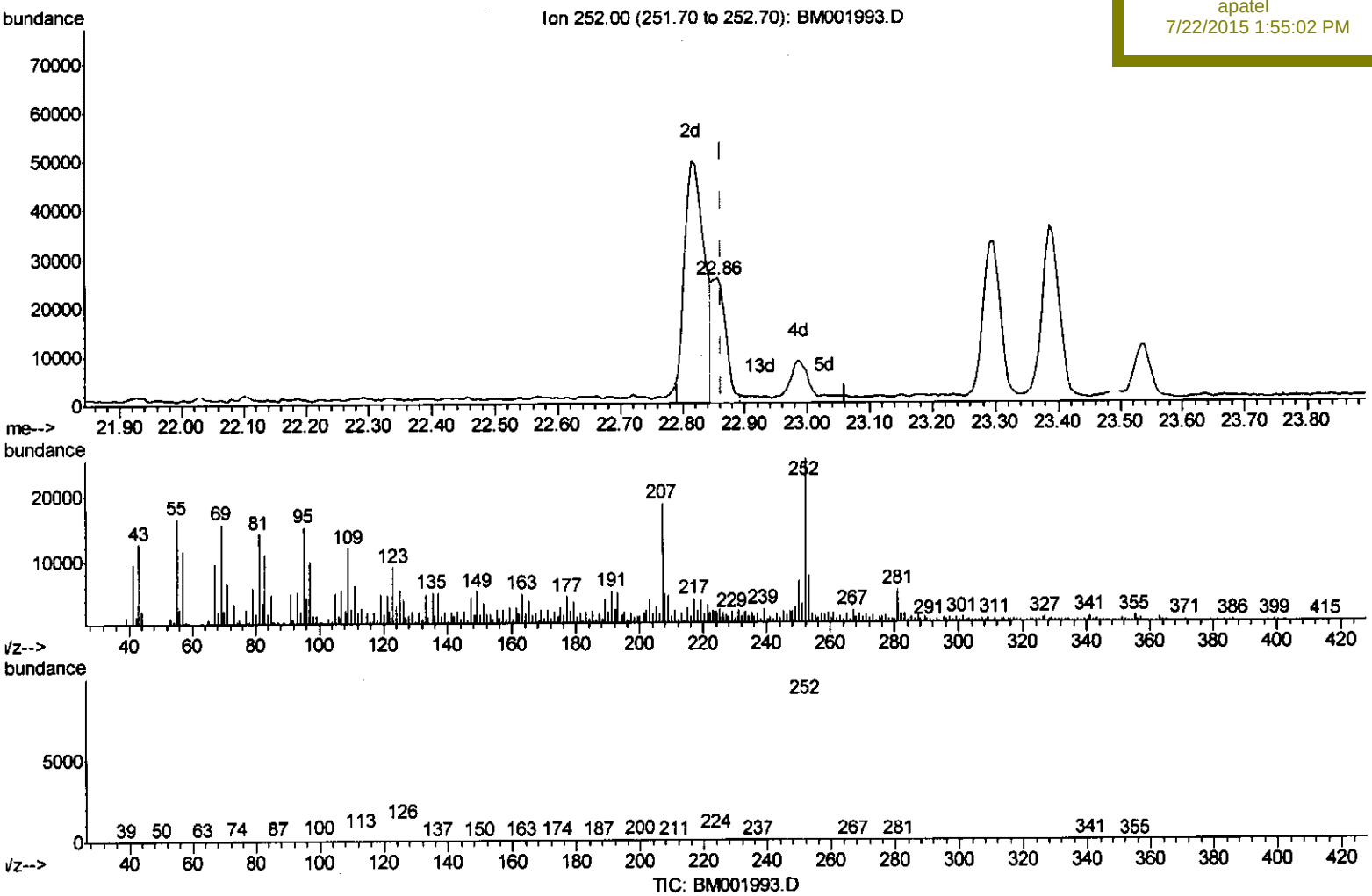
7/22/2015 1:55:02 PM



TIC: BM001993.D

(88) Benzo(k)fluoranthene

22.856min (-0.006) 1.39ng/ul m

response 37450

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	29.98#
125.00	7.00	21.62#
0.00	0.00	0.00

T.P 07/31/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001993.D
Acq On : 21 Jul 2015 02:53
Operator : TP/UM
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Misc :
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Quant Time: Jul 21 03:28:14 2015
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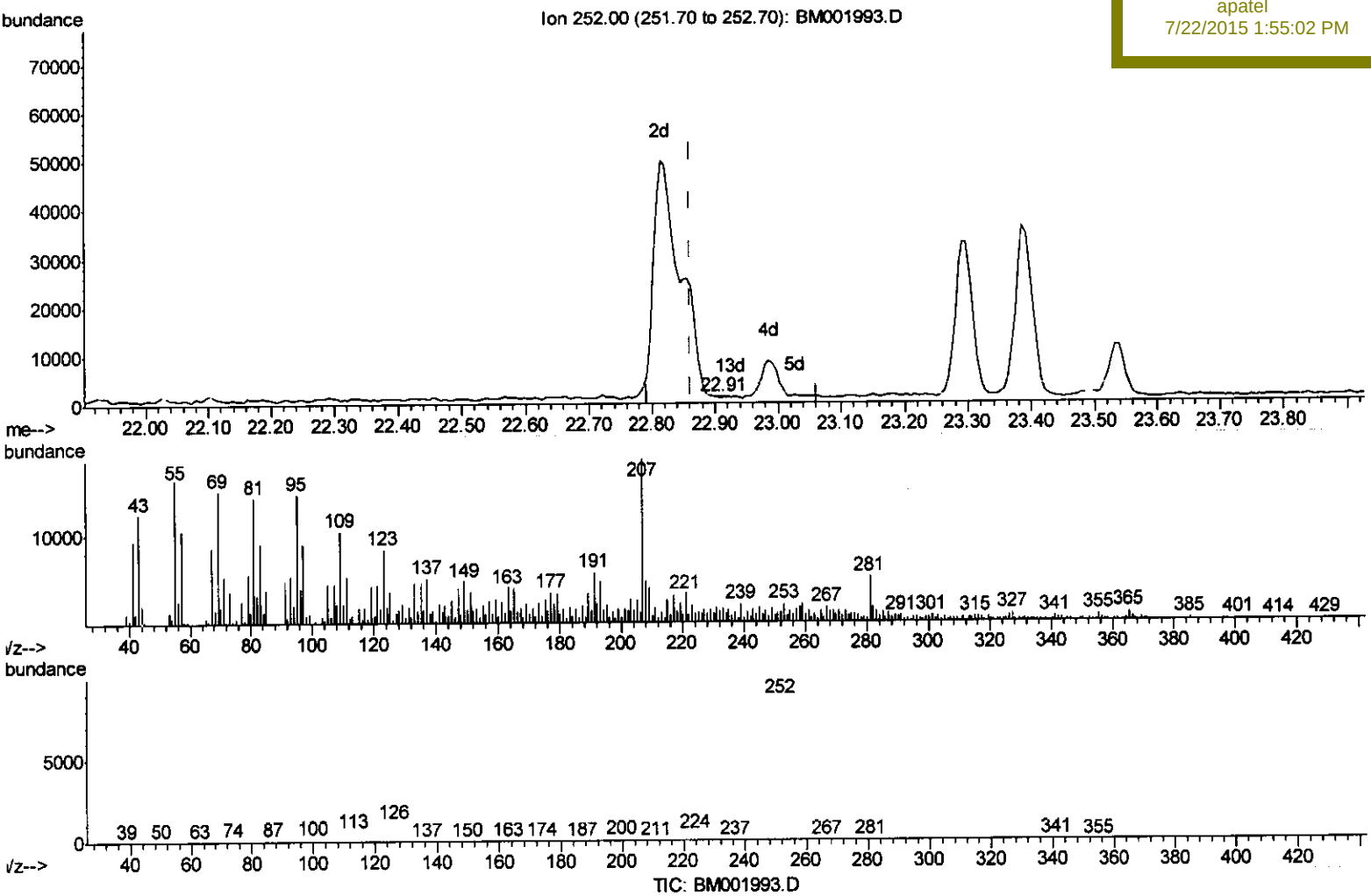
Instrument :
BNA_M
ClientSampleId :
C02K3

Manual Integrations APPROVED
apatel
7/22/2015 1:55:02 PM



(88) Benzo(k)fluoranthene

22.909min (+0.047) 0.00ng/ul

response 115

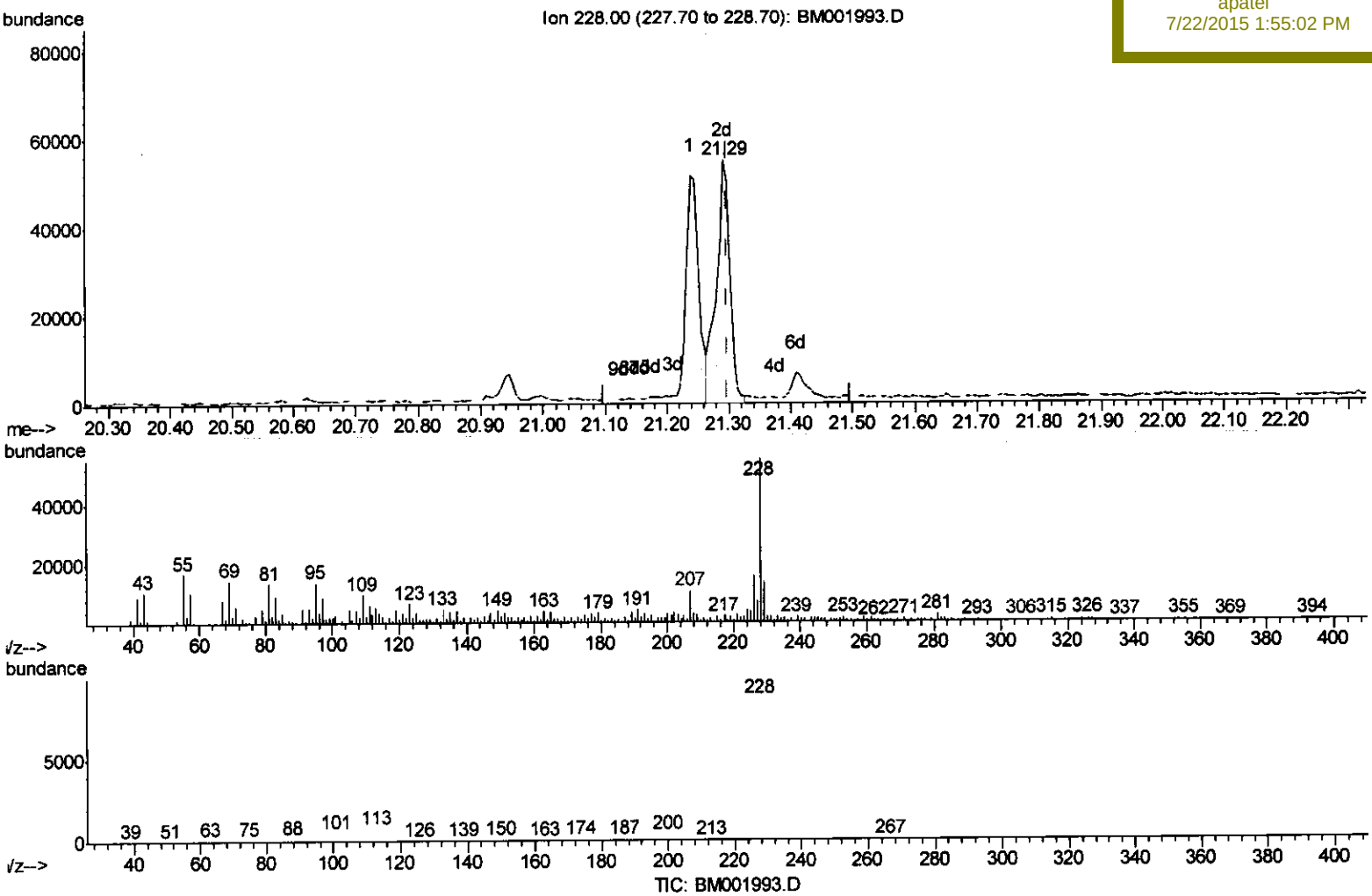
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	163.08#
125.00	7.00	262.15#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001993.D
Acq On : 21 Jul 2015 02:53
Operator : TP/UM
Sample : G3000-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 21 03:28:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02K3

Manual Integrations APPROVED
apatel
7/22/2015 1:55:02 PM



(84) Chrysene

21.292min (-0.006) 3.26ng/ul m

response 85236

Ion	Exp%	Act%
228.00	100	100
226.00	28.20	29.03
229.00	19.20	24.91#
0.00	0.00	0.00

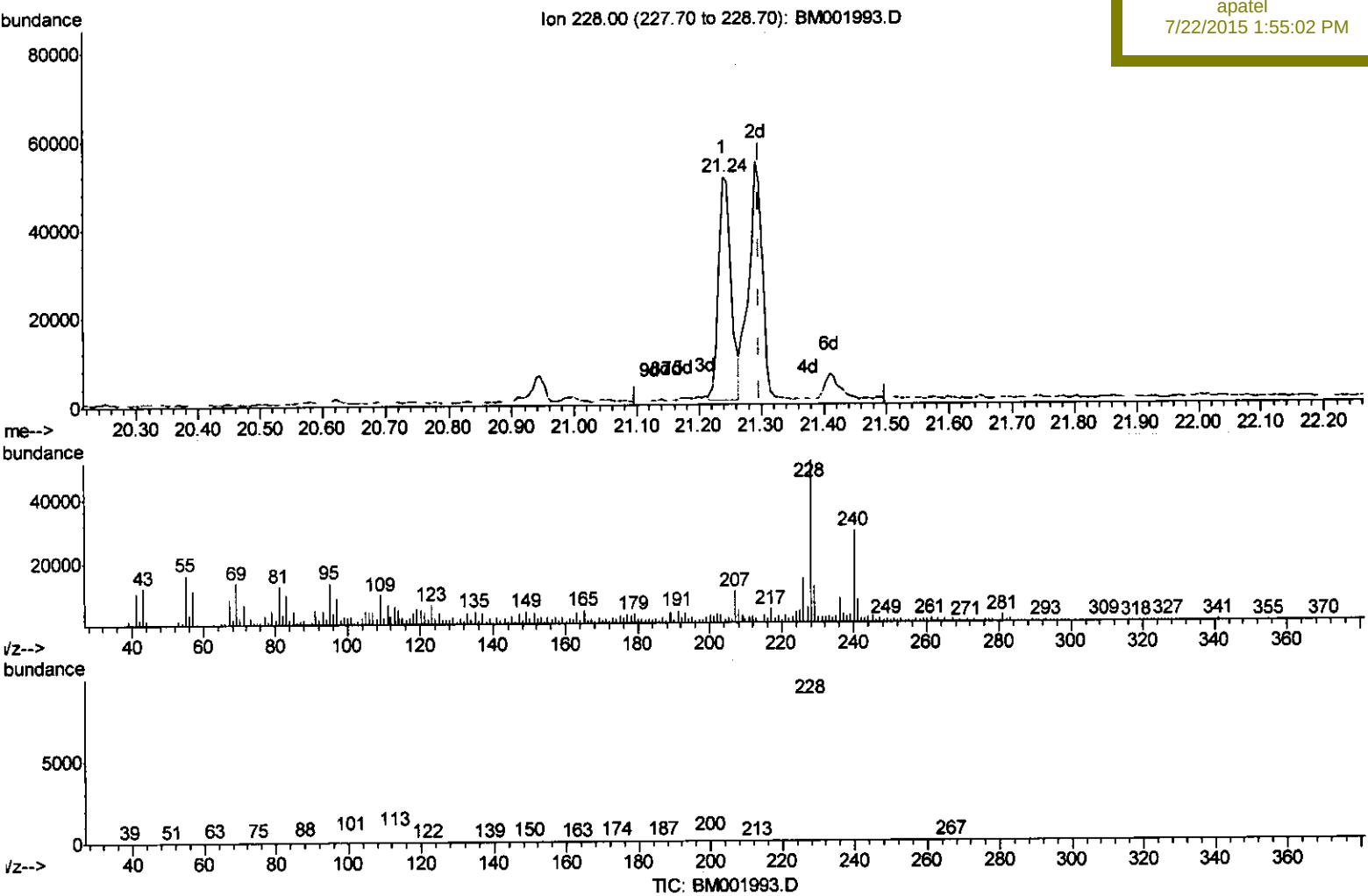
T.P
07/31/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072015\
Data File : BM001993.D
Acq On : 21 Jul 2015 02:53
Operator : TP/UM
Sample : G3000-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 21 03:28:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02K3

Manual Integrations APPROVED
apatel
7/22/2015 1:55:02 PM



(84) Chrysene

21.239min (-0.059) 2.73ng/ul

response 71323

Ion	Exp%	Act%
228.00	100	100
226.00	28.20	28.03
229.00	19.20	23.01
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072015\
Data File : BM001993.D
Acq On : 21 Jul 2015 02:53
Operator : TP/UM
Sample : G3000-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02K3

Manual Integrations APPROVED
apatel
7/22/2015 1:55:02 PM

Quant Time: Jul 31 12:50:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 21 01:37:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	116623	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	475879	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	277321	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	559172	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	468862	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	456072	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	4729	1.98	ng/uL	0.00
5) Phenol-d5	6.83	99	111184	11.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	66956	12.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	94170	12.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	44298	5.66	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	45653	12.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	43302	10.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	92838	11.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	58159	7.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	310025	13.86	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	299575	11.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	32896	8.68	ng/ul	0.00
57) Fluorene-d10	15.31	176	204691	10.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	2301	0.64	ng/ul	0.00
70) Anthracene-d10	17.16	188	264361	10.07	ng/ul	0.00
78) Pyrene-d10	19.46	212	225363	10.52	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	160913	6.98	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.80	77	5373	1.17	ng/ul#	82
14) Acetophenone	8.48	105	45661	3.70	ng/ul	92
28) Naphthalene	10.50	128	23941	1.00	ng/ul	100
44) Dimethylphthalate	13.77	163	286630	12.60	ng/ul	99
69) Phenanthrene	17.10	178	95931	3.17	ng/ul	99
76) Fluoranthene	19.13	202	158485	4.48	ng/ul	99
79) Pyrene	19.49	202	146576	5.23	ng/ul	98
82) Benzo(a)anthracene	21.24	228	69031	2.47	ng/ul#	94
83) Bis(2-ethylhexyl)phthalate	21.17	149	40940	2.62	ng/ul#	99
84) Chrysene	21.29	228	85236m	3.26	ng/ul	
87) Benzo(b)fluoranthene	22.81	252	108466	3.88	ng/ul#	85
88) Benzo(k)fluoranthene	22.86	252	37450m	1.39	ng/ul	
90) Benzo(a)pyrene	23.39	252	66696	2.54	ng/ul#	86
91) Indeno(1,2,3-cd)pyrene	25.73	276	56469	2.05	ng/ul	94
93) Benzo(g,h,i)perylene	26.43	276	59396	2.62	ng/ul	95

T.P
07/31/2015

(#) = qualifier out of range (m) = manual integration (+) = signals summed